

Dr. ODISHAW. I might add that the United States National Committee has been thinking about the experimental satellites, experimental satellites in the future beyond the IGY period. The satellite panel prepared such a report and the United States National Committee has reviewed it and endorsed it and has transmitted it to the President of the Academy and Director of the National Science Foundation.

This report will be published in the April 11 issue of Science, the weekly publication of the American Association for the Advancement of Science.

The press reported on this a few days ago. Some enterprising newspaperman got a copy from some source and a rather good summary in terms of its coverage appeared in the New York Times, and I believe some other papers also then got copies of this thing from our office and reported on it.

I do have some copies of that report, if the members are interested in reading about these experiments.

Yesterday, one of the Senate committees that has been set up on this subject, inquired about this report, and indicated at least tentatively over the telephone that they would like copies. Copies were sent to that Senate committee. They indicated that perhaps they would publish it in their hearings.

The CHAIRMAN. We would like to have some copies of that, Doctor, if they are available.

Mr. MACDONALD. Dr. Cornell, before we leave the subject of oceanography, am I correct in my understanding of both you and Dr. Wexler that the Russians have the single ship that is both an icebreaker and a floating laboratory?

Dr. GOULD. A magnificent one.

Dr. WEXLER. At least two, Mr. Macdonald. The *O5* and the *Lenz*. Now they have this atomic icebreaker launched a few months ago. I do not know if it is operational but there may be more icebreakers.

Dr. GOULD. There are few areas of science in which we have lagged further behind than oceanography.

Mr. MACDONALD. But it is a combined icebreaker plus a floating laboratory?

Dr. WEXLER. Also a cargo carrying vessel. The *O5* and *Lenz* went down to the Antarctic a few years ago. Then they pulled into an Australian port and took back 6,000 tons of grain to Hamburg, Germany, which helped pay part of their expenses.

Mr. MACDONALD. Are these atomic powered?

Dr. WEXLER. No, sir; these are ordinary diesels or motorships.

Mr. MACDONALD. How large are they?

Dr. WEXLER. I think of the order of 10,000 tons.

Mr. MACDONALD. Would the Coast Guard have jurisdiction in this matter, or would it be the Navy?

Dr. WEXLER. Both: the Coast Guard and Navy both have icebreakers. The Navy has the most of them.

Mr. MACDONALD. Does the Coast Guard have any oceanographic ships?

Dr. GOULD. The Hydrographic Office of the Navy, I believe, does.

Mr. MACDONALD. The Coast Guard does not have?